[**Product Information**]

**Name:** Ganoderic acid H  
**Catalog No.:** CFN92056  
**Cas No.:** 98665-19-1  
**Purity:** > 95%  
**M.F:** C_{32}H_{44}O_{9}  
**M.W:** 572.7  
**Physical Description:** Powder  
**Synonyms:** 12-Acetoxy-3-hydroxy-7,11,15,23-tetraoxolanost-8-en-26-oic acid.

[**Intended Use**]

1. Reference standards;  
2. Pharmacological research;  
3. Synthetic precursor compounds;  
4. Intermediates & Fine Chemicals;  
5. Others.

[**Source**]

The fruiting bodys of *Ganoderma lucidum*.

[**Biological Activity or Inhibitors**]
Ganoderic acid H (GA-H) and ganoderic acid A (GA-A) suppress growth (cell proliferation and colony formation) and invasive behavior (adhesion, migration and invasion) of MDA-MB-231 cells; they mediate their biological effects through the inhibition of transcription factors AP-1 and NF-kappaB, resulting in the down-regulation of expression of Cdk4 and the suppression of secretion of uPA, respectively; furthermore, the activity of ganoderic acids is linked to the hydroxylation in the position 7 and 15 (GA-A) and 3 (GA-H) in their triterpene lanostane structure; so hydroxylated triterpenes from G. lucidum could be promising natural agents for the therapy of invasive breast cancers.[1]

[ Solvent ]
Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[ HPLC Method ][2]
Mobile phase: Acetonitrile-0.03% Phosphoric acid H2O, gradient elution;
Flow rate: 1.0 ml/min;
Column temperature: 35 ℃;
The wavelength of determination: 252 nm.

[ Storage ]
2-8 ℃, Protected from air and light, refrigerate or freeze.

[ References ]

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